



Serial No.: 10/821,040  
Attorney Docket No.: KOCH.105133

IPW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventors : Christoph Ender et al.  
Serial No. : 10/821,040  
Title : COMBINED LIQUID COLLECTOR AND MIXER  
FOR MASS TRANSFER COLUMN AND METHOD  
EMPLOYING SAME  
Filing Date : April 7, 2004  
Group/Art Unit : 1724  
Confirmation No. : 9247  
Atty. Docket No. : KOCH.105133

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
(REVOCATION OF PRIOR POWERS)**

As assignee of record of the above-identified application:

**REVOCATION OF PRIOR POWERS OF ATTORNEY**

all powers of attorney previously given are hereby revoked; and

**NEW POWER OF ATTORNEY**

J. David Wharton, Reg. No. 25,717; Susan Wharton Bell, Reg. No. 41,524; Judith L. Carlson, Reg. No. 41,904; Lana M. Knedlik, Reg. No. 42,748; Andrea F. Sellers, Reg. No. 44,102; Nancy T. Morris, Reg. No. 42,017; James H. Marsh, Jr., Reg. No. 24,533; Penny R. Slicer, Reg. No. 34,017; Kelly S.K. Elsea, Reg. No. 43,604; Christopher D. Brandt, Reg. No. 44,556 and Mark C. Young, Reg. No. 48,670, at the Customer Number listed below, namely Stinson Morrison Hecker LLP, Attn: Patent Group, 1201 Walnut, Suite 2800, Kansas City, Missouri 64106-2150, telephone (816) 842-8600, are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith.

Direct all correspondence to: ☒ Customer Number 27910

**Certificate of Mailing Under 37 C.F.R. 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

Date: November 19, 2004

Signature: Jessica V. Barnard

Printed Name: Jessica V. Barnard

The Director is hereby authorized to charge any additional amount required, or credit any overpayment, to Deposit Account No. 19-4409.



Copies of assignments or other documents in the chain of title are attached.

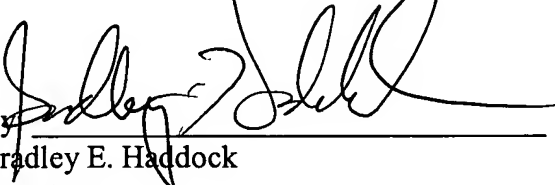
The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Signed this 12<sup>th</sup> day of November, 2004.

**KOCH-GLITSCH, LP**

By KGGP, LLC

Its General Partner

By   
\_\_\_\_\_  
Bradley E. Haddock  
Secretary



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Alexandria, VA 22313-1450

**STATEMENT UNDER 37 C.F.R. § 3.73(b) –  
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

Koch-Glitsch, LP, a limited partnership, duly organized under the laws of the State of Delaware, states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ Assignments from the inventors, a copy of which is attached.

AND/OR

- B. ☐ A chain of title from the inventors of the patent application/patent identified above to the current assignee as shown below.

**Certificate of Mailing Under 37 C.F.R. 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

Date: November 19, 2004

Signature: Jessica V. Barnard

Printed Name: Jessica V. Barnard

The Director is hereby authorized to charge any additional amount required, or credit any overpayment, to Deposit Account No. 19-4409.

**Direct all telephone calls to: J. David Wharton, Telephone (816) 842-8600**  
**Facsimile (816) 691-3495**

**Assignments: U.S. Patent Application Serial No. 10/821,040 which assignments are:**

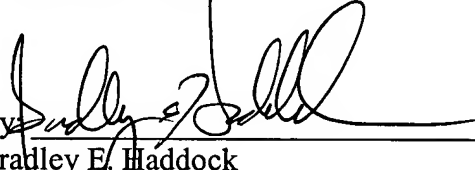
- ☒ Assignment from Christoph Ender, Darran Headley, Rebecca Hooper and Randy Sommerfeldt to Koch-Glitsch, LP recorded in the Patent and Trademark Office on April 7, 2004 at Reel 015203, Frame 0436.
- ☐ Recorded herewith.
- ☐ Filed for recordation in the Patent and Trademark Office on [Date]. The Notice of Recordation has not yet been received.

**ASSIGNEE STATEMENT**

Attached to this power is a "STATEMENT UNDER 37 C.F.R. § 3.73(b)."

Signed this 12<sup>th</sup> day of November, 2004.

**KOCH-GLITSCH, LP**  
By KGGP, LLC  
Its General Partner

By   
Bradley E. Haddock  
Secretary



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 30, 2004

PTAS



\*102722114A\*

SHOOK, HARDY & BACON L.L.P.  
MICHAEL B. HURD  
2555 GRAND BLVD.  
KANSAS CITY, MO 64108-2613

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/07/2004

REEL/FRAME: 015203/0436  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ENDER, CHRISTOPH

DOC DATE: 04/06/2004

ASSIGNOR:

HEADLEY, DARRAN

DOC DATE: 04/06/2004

ASSIGNOR:

HOOPER, REBECCA

DOC DATE: 04/06/2004

ASSIGNOR:

SOMMERFELDT, RANDY

DOC DATE: 04/06/2004

ASSIGNEE:

KOCH-GLITSCH, LP  
4111 E. 37TH STREET NORTH  
WICHITA, KANSAS 67220

015203/0436 PAGE 2

SERIAL NUMBER: 10821040

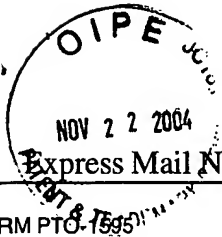
FILING DATE: 04/07/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: COMBINED LIQUID COLLECTOR AND MIXER FOR MASS TRANSFER COLUMN AND  
METHOD EMPLOYING SAME

DIANE RUSSELE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



04-15-2004

t No. KOCH.105133

FORM PTO-1595

RECORDA1



102722114

U.S. DEPT. OF COMMERCE  
PATENT AND TRADEMARK OFFICE

To The Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Christoph Ender, Darran Headley, Rebecca Hooper and Randy Sommerfeldt

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other: \_\_\_\_\_

Execution Date: April 6, 2004

2. Name and address of receiving party(ies):

Name: Koch-Glitsch, LP

Street Address: 4111 E. 37<sup>th</sup> Street North

City: Wichita

State: Kansas

Zip: 67220

Additional name(s) & address(es) attached? ☐ Yes ☒ No22581 U.S. PTO  
10/821040

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: April 6, 2004.

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael B. Hurd

Internal Address: Shook, Hardy &amp; Bacon L.L.P.

Street Address: 2555 Grand Blvd.

City: Kansas City

State: Missouri

Zip: 64108-2613

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed ☐ (See Patent Application Transmittal Form)☐ Authorized to be charged to deposit account

8. Deposit Account No.: 19-2112

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Michael B. Hurd

4-7-04

Name of person signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director of the US Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

04/13/2004 MBELETE1 00000043 10821040

03 FC:8021

40.00 OP

## ASSIGNMENT

WHEREAS, we, Christoph Ender of 7938 W. Meadow Park Circle, Wichita, in the County of Sedgwick, and State of Kansas, Darran Headley of 2314 N. Callahan, Wichita, in the County of Sedgwick, and State of Kansas, Rebecca Hooper of 6632 E. 44<sup>th</sup> Court North, Wichita, in the County of Sedgwick, and State of Kansas, and Randy Sommerfeldt, of 3902 Sweet Bay, Wichita, in the County of Sedgwick, and State of Kansas, have invented certain new and useful improvements in COMBINED LIQUID COLLECTOR AND MIXER FOR MASS TRANSFER COLUMN AND METHOD EMPLOYING SAME for which we are about to make application for Letters Patent of the United States; and

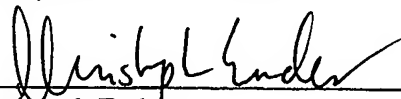
WHEREAS, Koch-Glitsch, LP, a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 4111 E. 37<sup>th</sup> Street North, County of Wichita, and State of Kansas, is desirous of acquiring an interest in, to and under said invention, said application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, Christoph Ender, Darran Headley, Rebecca Hooper, and Randy Sommerfeldt, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Koch-Glitsch, LP the full and exclusive right, title and interest, throughout the world, in, to and under said invention as fully set forth and described in the specification prepared and executed by us on even date herewith preparatory to obtaining Letters Patent of the United States therefor; in, to and under said application; in, to and under any and all refilings, divisions and continuations of said application; in, to and under any and all Letters Patent of the United States of America



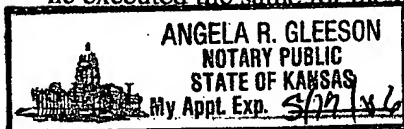
which may issue from said application, refilings, divisions and continuations; in, to and under any and all reissues of said Letters Patent of the United States of America; in, to and under any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America; in, to and under any and all refilings, divisions and continuations of said foreign-filed applications; in, to and under any and all Letters Patent of countries foreign to the United States of America, which may issue from the said foreign-filed applications, refilings, divisions and continuations; and in, to and under any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America, the same to be held and enjoyed by said Koch-Glitsch, LP for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

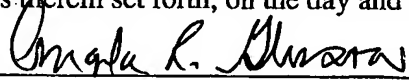
EXECUTED this 6 day of April, 2004.

  
Christoph Ender

STATE OF KANSAS :  
: ss.  
COUNTY OF SEDGWICK :

Before me personally appeared Christoph Ender to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.



  
Notary Public

My Commission Expires:

May 17, 2006

EXECUTED this 6<sup>th</sup> day of April, 2004.

Darran Headley  
Darran Headley

STATE OF KANSAS :  
: ss.  
COUNTY OF SEDGWICK :

Before me personally appeared Darran Headley to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.



Angela R. Gleeson  
Notary Public

My Commission Expires:

May 19, 2006

EXECUTED this 6<sup>th</sup> day of April, 2004.

Rebecca Hooper  
Rebecca Hooper

STATE OF KANSAS :  
: ss.  
COUNTY OF SEDGWICK :

Before me personally appeared Rebecca Hooper to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.



Angela R. Gleeson  
Notary Public

My Commission Expires:

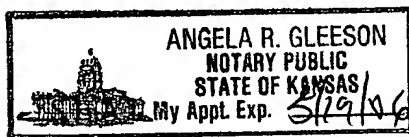
May 19, 2006

EXECUTED this 6<sup>th</sup> day of April, 2004.

Randy Sommerfeldt  
Randy Sommerfeldt

STATE OF KANSAS :  
: ss.  
COUNTY OF SEDGWICK :

Before me personally appeared Randy Sommerfeldt to me known to be the person described in, and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth, on the day and year aforesaid.



Angela R. Gleeson  
Notary Public

My Commission Expires:

May 19, 2006